

GOF Activities

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INTEGRAL User Committee
11/27/07

Personnel

- Big Changes in the Summer 2006 -
 - Bonnard Teegarden retired
 - Chris Shrader transitioned to the GLAST SSC
 - Ken Watanabe moved to Florida Gulf Coast Univ.
 - Neil Gehrels became US Project Scientist
 - Jack Tueller became Deputy US Project Scientist
- January 2007 - Gerry Skinner arrives from CESR, Toulouse
- April 2007 - Volker Beckmann moved to ISDC in Geneva
- October 2007 - Katja Pottschmidt moves to GOF from UCSD

INTEGRAL GO Program Role

- Promote and support US participation in INTEGRAL Guest Observer Program
- Solicit and review Stage 2 Budget Proposals from successful US PIs and US Co-Is on foreign-led proposals.
- Monitor the observing program and initiate funding of grants to US scientists when their observations are made.
- Aid US scientists in the analysis of their data.

US INTEGRAL Archive

- US GOF personnel maintain a mirror to the INTEGRAL Public Data Archive at the ISDC.
- Data becomes public roughly 1 year after the data is initially distributed to the PI of the observation.
- This archive is maintained as part of the HEASARC multi-mission archive.
- The INTEGRAL Public Data Archive opened in July 2004.

Current Public Data Archive Status

- New public data is available to the community within a few days of its release from the ISDC. The limiting factor is the low data transfer rate from the ISDC. ~3 spacecraft revolutions can be transferred per day.
- All public data through the latest release (11-13-07) is currently available from the HEASARC archive (through revolution 486)
- Public data releases occur ~monthly with the next releases scheduled for 12-04 and 12-22.
- We have an agreement with ISDC to notify us when existing public data is reprocessed.
- The ISDC is planning to reprocess the entire archive to Rev 3 status beginning in the spring of 2008. We are making plans to retrieve this data and replace the current Rev 2 data with as little down time as possible.

Accessing the US INTEGRAL Public Data Archive

- The US INTEGRAL Public Data Archive is accessible from the HEASARC via Browse or FTP.
- Accessing the data via Browse is complicated by the large size of the typical observation, 3 days of data ~ 8 GB.
- The HEASARC limit for a tar file is ~3.5 GB ==> the preferred download method is via a wget script created by Browse.
- A detailed description of all the INTEGRAL catalogs available through Browse as well as a detailed cookbook describing the downloading of data and the setting up of a local data repository are available on the GOF website:
http://heasarc.gsfc.nasa.gov/docs/integral/inthp_archive.html

HEASARC Browse: Data Products Download Commands - Netscape

File Edit View Go Bookmarks Tools Window Help

http://heasarc.gsfc.nasa.gov/db-perl/W3Browse/w3hdprods.pl Search

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Search Results > **Data Products Download Commands**

The following commands can be used to download selected data products:

Copy and paste lines to a local shell script or command line or download commands to a file

Note: The network utility *wget* is included with most systems. To download *wget* or get more information visit the [GNU website](#)

```
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/scw/0142/rev.001/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/aux/adp/ref/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/aux/adp/0142.001/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/aux/adp/0143.001/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/scw/0074/rev.001/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/scw/0143/014300130010.001/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/scw/0143/rev.001/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/scw/0142/014200610010.001/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/scw/0142/014200690010.001/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/aux/adp/0074.001/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/scw/0074/007400040010.001/
wget -q -nH --cut-dirs=3 -r -lO -c -nc -np --retr-symlinks ftp://legacy.gsfc.nasa.gov/FTP/integral/data/scw/0142/014200210010.001/
```

Total size of data product files local to the HEASARC system: 684 MB
File sizes of remote data products are not available

The [HEASARC Online Service](#) is provided by the Laboratory for High Energy Astrophysics at NASA/Goddard Space Flight Center. If using this service made a significant contribution to a research project, please make the following acknowledgment in any resulting publication:

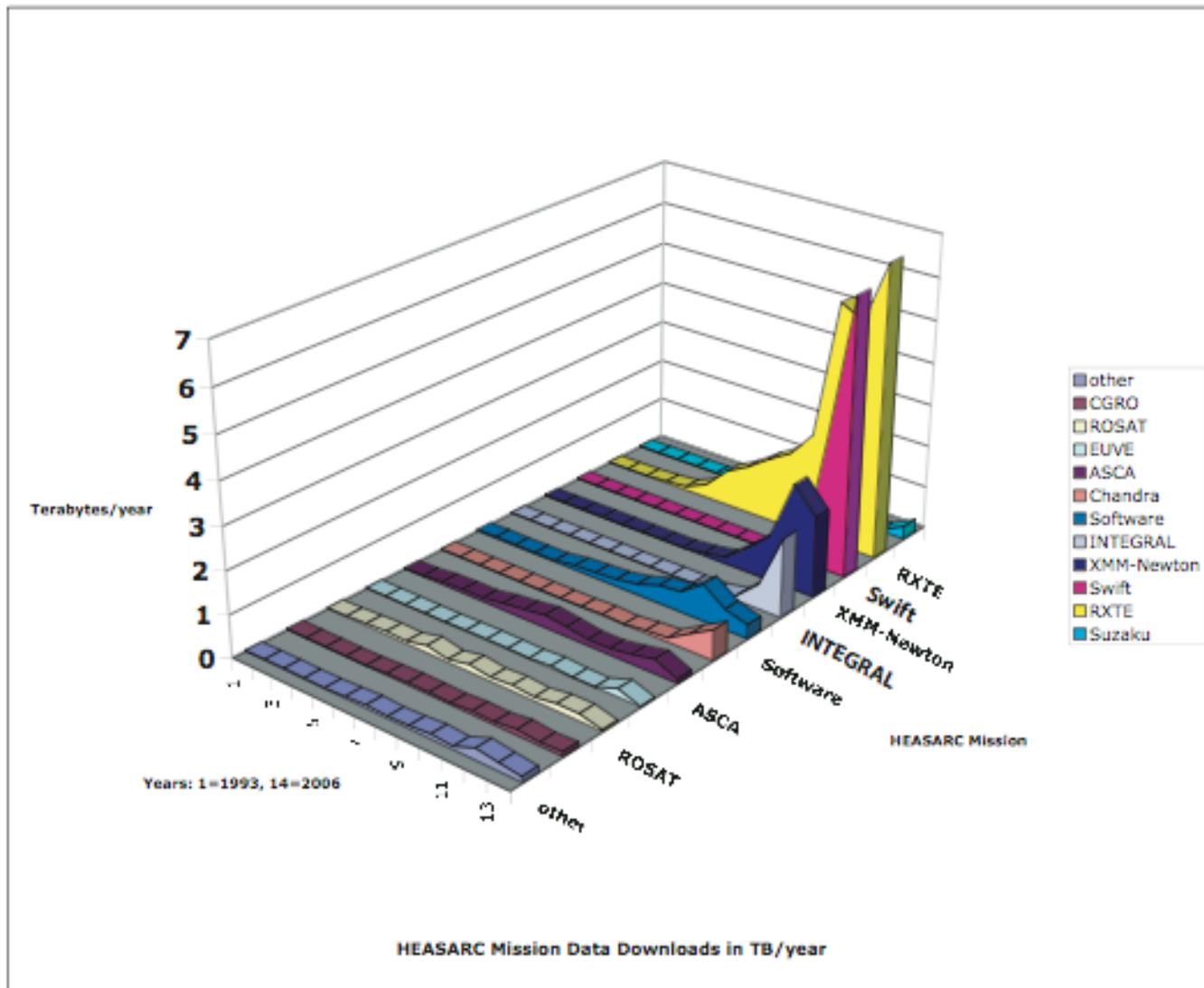
"This research has made use of data obtained through the High Energy Astrophysics Science Archive Research Center Online Service, provided by the NASA/Goddard Space Flight Center."

Please send a preprint or reprint of the paper to:

The HEASARC, Code 660.2, NASA/Goddard Space Flight Center, Greenbelt, Maryland, 20771, USA.

[Send email to the Browse Software Development Team](#)

Done



Archive Usage Statistics

Months	Amount Downloaded (GB)
10-07	394.0
9-07	113.2
8-07	15.2
7-07	51.7
6-07	9.2
5-07	29.7
4-07	289.1
3-07	103.6
2-07	95.8
1-07	12.1
2007 Average	111.4

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Future Activities

- We are planning on starting a quarterly newsletter which would include the latest news about software and software releases, AO news, announcements for GOF events, and possibly a section US investigator research.
- We are considering an INTEGRAL data analysis workshop here at GSFC in the late spring or early summer.